

APPENDIX D

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

			03 - 29674	1	
			Facility I.D.		
			Radhe Oil		
			Facility Nan	ne	
		Freeport		Armstrong	
		Municipality		County	
			1/10/17		
			Date Prepare	d	
	_		Eric Itle		
		Name of	Person Submit		
			(Please Print)		
		<u> </u>	etterle & Associ		
			Company Nam		
			(If Applicable)		
			Project Manage	er	
		•	Title	· —	
Clos	sure Method (Check all	that apply):	Site	Assessment Results (Check all that	apply):
\boxtimes	Removal			No Obvious Contamination - Samp Standards/Levels	ole Results Meet
	Closure-In-Place			No Obvious Contamination - Samp Meet Standards/Levels	ole Results Do No
	Change-In-Service			Obvious, Localized Contamination Meet Standards/Levels	- Sample Results
				Obvious, Localized Contamination Do Not Meet Standards/Levels	- Sample Results
			\bowtie	Obvious, Extensive Contamination	l

	RECEIVED:	
UMIC	RECEIVED:	

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Owners who are permanently closing underground storage tanks may use this form to demonstrate that an underground storage tank closure was performed in accordance with the "Closure Requirements for Underground Storage Tank Systems" document. PLEASE PRINT OR TYPE. COMPLETE ALL QUESTIONS.

SECTION I. Owner/Facility/Tank/Waste Management and Disposal Information

1. F	acility ID Number <u>03</u>	- 29	0674	2.	Facility Nar	ne <u>Radhe Oil</u>		
3. F	acility County Armstror		4.	Facility Mur	nicipality <u>Freepo</u>	rt		
5. F	acility Address 222 But	falo	Street Freeport, PA 16229)				
6. F	acility Contact Person	Nila	Manning	7 .	Facility Tele	ephone Number	(412) 364 - 2	200
8. C	Owner Name <u>Superior F</u>	etro	leum Company		-			
9. C	Owner Mailing Address	8199	McKnight Road Pittsburg	h, P/	A 15237			
10. D	Description of Undergro	und	Storage Tanks (Complete	for e	ach tank cl	osed)		
DA	TE OF TANK CLOSU	RE (i	Month/Day/Year)	12-	- 21 -2016	12- 21 -2016	12- 21 -2016	
Tar	nk Registration Number	•	· · · · · · · · · · · · · · · · · · ·		1	2	3	
Est	imated Total Capacity (Gall	ons)		10,000	10,000	10,000	
	ostance(s) Stored		Petroleum		•	,		
	oughout Operating		Unleaded Gasoline	i	\boxtimes	\boxtimes	\boxtimes	П
	of Tank		Leaded Gasoline		H			H
	neck All That Apply)		Aviation Gasoline		H	H	H	H
(0)	icok Ali That Apply)		Kerosene		H	H		H
					H			H
			Jet Fuel		片			닏
			Diesel Fuel		Ц	l ∐	l ∐ i	빝
			Fuel Oil No. 1					
			Fuel Oil No. 2					
			Fuel Oil No. 4					
			Fuel Oil No. 5		\Box			ī
			Fuel Oil No. 6	ĺ	Ħ.		- F	Ħ
			New Motor Oil		H		H	H
			Used Motor Oil		H		님	H
					Ш	LJ		
			Other, Please Specify				<u> </u>	
NOTE:	If Hazardous	b.	Hazardous Substance					
Substar	nce Block is Checked,		Name of Principal					
Attach I	Material Safety Data		CERCLA Substance					
	(MSDS)		AND					
J. 100t3	(Chemical Abstract					
			Service (CAS) No.	l —				
<u> </u>		<u>C.</u>	Unknown				<u> </u>	<u></u>
	sure Method	a.	Removal				\boxtimes	H
(Ch	eck Only One)		Closure-in-Place			│	<u></u>	╘
			Change-In-Service					
Par	tial System Closure (Ye	es or	No)		yes	yes	ves	

	ATE O	F TA	NK CLOSUF	RE (Month/Day/Year)	_ -			
			ation Number						
					ons)			,	
Estimated Total Capacity (Gallons) Substance(s) Stored a. Petroleum Throughout Operating Unleaded Gasoline Life of Tank Leaded Gasoline (Check All That Apply) Aviation Gasoline Kerosene Jet Fuel Diesel Fuel Fuel Oil No. 1 Fuel Oil No. 2 Fuel Oil No. 4 Fuel Oil No. 5 Fuel Oil No. 6 New Motor Oil Used Motor Oil									
					Other, Please Specify				
Subs Attac	h Mater	lock i ial Sa	ous s Checked, afety Data	b.	Hazardous Substance Name of Principal CERCLA Substance				
Sheets (MSDS) Chemical Abstract Service (CAS) No.					Chemical Abstract Service (CAS) No.				
<u> </u>	.,				c. Unknown	<u> </u>	<u> </u>		<u> </u>
Closure Method a. Removal (Check Only One) b. Closure-in-Place c. Change-in-Service					Closure-in-Place				
Р	artial S	vstem	Closure (Ye						
					,				
163	Yes N/A 11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) including use of tanks: The site is currently is an active retail petroleum facility with a convenience store. There are								
					 USTs (001, 002, and 003	-			
			=	_	dispensers and all produ		<u>-</u>		
\boxtimes		12.	A site locati	ion a	and sampling map of the sit	te, drawn to sca	le, is attached.	See page 11 of	11.
		13.	Original, co	lor	photographs of the closure showing condition).	•	·		
	· · · · · · · · · · · · · · · · · · ·								
			Date: <u>1/18/</u>	17					
\boxtimes		15.	If a reportal or operator.		elease was confirmed, the	appropriate reg	gional office of D	EP was notified	d by the owner
			Date: <u>12</u>	<u>- 21</u>	- 2016	Office: 9	Southwest		

Yes	N/A			
	\boxtimes	16.	If tanks	were cleaned on-site:
			a. Br	iefly describe the disposition of usable product: Not applicable
			_	
			_	
			du	iefly describe the disposal of unusable product, sludges, sediments, and wastewater generated ring cleaning. Provide the name and permit number of the processing, treatment, storage or sposal facility. (Attach documentation of proper disposal):
			_	
			c. If t	ank contents were determined/deemed to be hazardous waste, provide:
				Generator ID Number:
				Licensed Hazardous Waste Transporter Name and ID Number:
			, ,	· ————————————————————————————————————
	\boxtimes	17.	If tanks	were removed from the site for cleaning:
				ovide the name and permit number of the processing, treatment, storage or disposal facility
				rforming the tank cleaning:
			_	
			b. If t	ank contents were d determined/deemed to be hazardous waste, provide:
			(1)	Generator ID Number:
			(2)	Licensed Hazardous Waste Transporter Name and ID Number:
		18.	_	lescribe the disposition of tanks/piping (Attach documentation of proper disposal):
				eel piping was picked up by a local citizen and hauled away to a scrap yard. Disposal
			docume	entation was not obtained.
\boxtimes		10	lf conto	minated soil is excavated:
	Ш	19.		efly describe the disposition and amount 123 (tons) of contaminated soil. Provide the name
			an	d permit number of the processing, treatment, storage or disposal facility. (Attach cumentation of proper disposal):
			Ар	proximately 123 tons of petroleum-impacted soil was removed and transported to Carbon
			<u>Lin</u>	nestone Landfill in Lowellville, Ohio by McCutcheon Enterprises, Inc. Disposal documentation
			is a	attached
			b. If c	contaminated soil is determined/deemed to be hazardous waste, provide:
			(1)	Generator ID Number:
			(2)	Licensed Hazardous Waste Transporter Name and ID Number:

Yes	N/A		
	×	20.	Briefly describe the disposition of and amount <u>0</u> (tons) of uncontaminated soil (attach analyses):
ı ,			Nila Manning, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (Print Name)
relatir nform and be	ation p	nswoi rovide	n falsification to authorities) that I am the owner of the above referenced storage tank(s) and that the bed by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge
			Signature of Tank Owner Date
			Signature of Tank Owner Date
			Superior Petroleum Corporation Company Name (If Applicable)
			<u>Director of Human Resources</u> Title

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WASTE MANAGEMENT

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 03 - 29674

Yes	N/A		
		1.	Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil:
			Contaminated soil was staged on and covered with plastic adjacent to the excavation.
		2.	Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping:
			Approximately 40 feet of piping was removed from the subsurface. The piping was in poor condition and was heavily corroded.
		3.	Briefly describe the condition of the tanks and any problems encountered during tank removal: The USTs were not removed.
		4.	Briefly describe the method used to purge the tanks of and monitor for explosive vapors: Not applicable.
П	\boxtimes	5.	If tanks were cleaned on-site:
_	_	-	a. Briefly describe the tank cleaning process: Not applicable.
			b. If subcontracted, name and address of company that performed the tank cleaning:
	\boxtimes	6.	If tanks were closed-in-place, briefly describe the tank fill material:
\boxtimes		7.	If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

SECTION IL. (continued)

1, WILLIAM E. Di DONATO Hereby certify, in	nder penalty of law as provided in 18 Pa. C.S. §4904
(Print Name) (relating to unsworn falsification to authorities) that I am the certification to authorities) that I am the certificated with the closure of the above referenced storage tank(streport (Section I) is true, accurate and complete to the best of my kind.	Tied installer who performed the tank handling activities is and that the information provided by me in this closure
Signature of Certified Installer	JAMARY #20, 2017
Signature of section distance	Date:
Installer Certification Number	Company Certification Number SERVICE INC SHELVING INSTALLATION SERVICE INC DBA: S.I.S., INC Company Name
m= ,m }	7208 ROUTE 908
	TARENTUM PA 15084 City/Town, State Zip
	724-224 1220

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information Tank Registration # 001 (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number <u>03 - 29674</u>

	Bedr	ock <u>NA</u> feet below land surface Water <u>NA</u> feet below land surface
		ide Length of <i>PIPING</i> <u>IF</u> piping was closed-in-place (write "N/A" if NOT closed-in-place). th of piping <u>NA</u> feet
	TAN	K SYSTEM REMOVED FROM THE GROUND
•	1).	Was obvious contamination observed while excavating?
		NO→ Conduct confirmatory sampling
		Following dispenser and product piping removal, obvious contamination was observed in soil beneath the
		dispensers and beneath a section of piping. The obvious contamination was observed at a depth of
		greater than three feet below the dispensers. The source of contamination was likely from highly
		corroded piping.
2	2).	Was contamination <u>localized</u> (within three feet of the tank system in every direction with no obvious water contamination)?
		☐ YES
		See end of this section for options on submission and maintenance of closure records
		NO
. 1	ΓΑΝΙ	K SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE
		obvious contamination observed during sampling, boring or assessing water depths?
_		NO
		YES

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information Tank Registration # __002_ (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 29674

	Bedi	rock <u>NA</u> feet below land surface Water <u>NA</u> feet below land surface								
В.		ride Length of <i>PIPING</i> <u>IF</u> piping was closed-in-place (write "N/A" if NOT closed-in-place). oth of piping <u>NA</u> feet								
C.	TAN	K SYSTEM REMOVED FROM THE GROUND								
	1).	Was obvious contamination observed while excavating?								
		NO→ Conduct confirmatory sampling> See end of this section for options on submission and maintenance of closure records> Do not complete item C.2. below.								
		Following dispenser and product piping removal, obvious contamination was observed in soil beneath the								
		dispensers and beneath a section of piping. The obvious contamination was observed at a depth of								
		greater than three feet below the dispensers. The source of contamination was likely from highly								
		corroded piping.								
	2).	Was contamination <u>localized</u> (within three feet of the tank system in every direction with no obvious water contamination)?								
		☐ YES								
		See end of this section for options on submission and maintenance of closure records> Call Indemnification Fund (717-787-0763).								
		NO——→ Continue interim remedial actions —— See end of this section for options on submission and maintenance of closure records —— Call Indemnification Fund (717-787-0763).								
D.	TAN	K SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE								
	Was	Was obvious contamination observed during sampling, boring or assessing water depths?								
		NO→ Conduct confirmatory sampling> See end of this section for options on submission and maintenance of closure records.								
		YES								

UNDERGROUND STORAGE TANK CLOSURE REPORT FORM

SECTION III. Site Assessment Information Tank Registration # __003_ (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 03 - 29674

Be	Bedrock <u>NA</u> feet below land surface Water <u>NA</u> feet below	ow land surface
	Provide Length of <i>PIPING</i> <u>IF</u> piping was closed-in-place (write "N/A" if NOT closed-in-place). Length of piping <u>NA</u> feet	
TA	TANK SYSTEM REMOVED FROM THE GROUND	
1).	1). Was obvious contamination observed while excavating?	
	□ NO	ection for options on elow.
		nination observed and
	Following dispenser and product piping removal, obvious contamination was obser	ved in soil beneath the
	dispensers and beneath a section of piping. The obvious contamination was o	bserved at a depth of
	greater than three feet below the dispensers. The source of contamination	was likely from highly
	corroded piping.	
2).	2). Was contamination <u>localized</u> (within three feet of the tank system in every direction contamination)?	with no obvious water
	☐ YES Remove or remediate contaminated soil Conduct confirmate	ory sampling→
	See end of this section for options on submission and maintenance of closure Indemnification Fund (717-787-0763).	records→ Call
	NO→ Continue interim remedial actions→ See end of this s submission and maintenance of closure records→ Call Indemnification Fund	
TA	TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE	
Wa	Was obvious contamination observed during sampling, boring or assessing water depths?	
	NO→ Conduct confirmatory sampling→ See end of this section for and maintenance of closure records.	options on submission
	☐ YES	on observed and likely

E. If the answer to C.1. is "no", the answer to C.2. if "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

Records of the site assessment must be maintained for <u>at least three years</u> after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the UST system out of service:
- (b) By the current owners and operators of the UST system site; or

Telephone Number of Person Performing Site Assessment

(c) By mailing these records to the implementing agency if they cannot be maintained at the closed facility.

At least one option must be chosen. If option (c) is chosen, the closure report form should be sent to the DEP regional office responsible for the county in which the tank is located.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the CAP regulation requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

OAI Tegulai	ions.				
I,	Eric Itle , he	reby certify, under pe	nalty of law as provid	ed in 18 Pa. C.S. §4904	(relating
	falsification to authorities) that I				
	of the above referenced stora			vided by me in this clos	sure report
(Section III)	is true, accurate and complete to	the best of my know	ledge and belief.		
	6 · wh			/	
	Cu Clto		/	125 2017	
Sigr	lature of Person Performing Site	Assessment		Date	
	Project Manager		W	Letterle & Associates	
Т	itle of Person Performing Site As	sessment	Name of Compa	any Performing Site Asse	ssment
	412-486-0600	22			

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

Sample/Analysis Information (Attachment for Section III.)

Facility ID Number 03 - 29674

Sample I.D. (See diagram)	Parameter	Analytical Method ¹	• Media	Result (units)	Detection Limit (units)	Date Sample Taken	Date Sample Analyzed
See	Attached	Table				1 1	1 1
						1 1	1 1
						1 1	1 1
						1 1	1 1
		·				1 1	1 1
						1 1	1 1
						1 1	1 1
				·		1 1	1 1
						1 1	1 1
						1 1	1 1
						1 1	1 1
						1 1	1 1
						1 1	1 1
						1 1 ,	1 1
						1 1	1 1
						1 1	$I = I_{\perp}$
				·		1 1	1 1
						1 1	1 1
						1 1	1 1

Facility ID Number 03 - 29674

Sample I.D. (See diagram)	Parameter	Analytical Method ¹	Media	Result (units)	Detection Limit (units)	Date Sample Taken	Date Sample Analyzed
						1 1	1 1
						1 1	1 1
						1 1	I = I
						1 1	1 1
						1 1	1 1
	<u> </u>				<u> </u>	1 1	1 1
						1 1	1 1
						1 1	1 1
						1 1	1 1
			<u> </u>			1 1	1 1
						1 1	1 1
						1 1	1 1
				· · · · · · ·		1 1	1 1
-						1 1	1 1
- "						1 1	111
	-					1 1	11.
	·					1 1	11
						1.7	11
						1 1	1 1

Where EPA Method 5035 is required, indicate sample collection option in the right hand box of this column using the following codes:

P - Samples placed in a soil sample vial with a preservative present.

E - Samples collected and stored in a soil collection device which is airtight and affords little to no headspace.

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large scale map of the site where tanks were closed. Scales between 1" = 10 and 1" = 100 feet frequently work out well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tanks removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: Radhe Oil 03 - 29674	
County: Armstrong	
Township/Borough: Freeport (see attached figures)	

TABLE

SOIL ANALYTICAL DATA - Partial UST Closure Freeport, Pennsylvania 16229 Superior - Radhe Oil 222 Buffalo Street

Sample ID	Date	Depth (ft-bgs)	PID (ppm)	PID Benzene (ppm) (μg/kg)	Toluene (µg/kg)	Ethylbenzene (μg/kg)	Xylene (µg/kg)	MTBE (µg/kg)	Cumene (μg/kg)	Naphthalene (µg/kg)	1,2,4- TMB (μg/kg)	1,3,5- TMB (μg/kg)
D-1/2'	D-1/2' 12/21/16	2	525	<2,650	13,600	40,200	352,000	<2,650	6,820	30,200	180,000	82,400
D-2/2'	D-2/2' 12/21/16	2	572	<258	19,200	19,700	124,000	<258	4,190	8,770	72,300	23,600
LS-1/3	LS-1/3' 12/21/16	3	145.8	2,230	716	8,220	4,040	197>	1,930	3,990	785	<261
LS-2/3'	.S-2/3' 12/21/16	3	3.3	<\$	<\$	<>	<14.9	<>	\$	\$	Ą	\$

Soil to Groundwater - Residential MSCs	200	100,000	70,000	1,000,000	2,000	000,009	25,000	8,400	74,000
Direct Contact Residential (0-15')	27,000	10,000,000	180,000	1,900,000	1,700,000	7,700,000	160,000	130,000	2,200,000
Indoor Air Soil Screening Values - Residential	370	76,000	5,700	55,000	51,000	360,000	64,000	20,000	4,600

Notes:

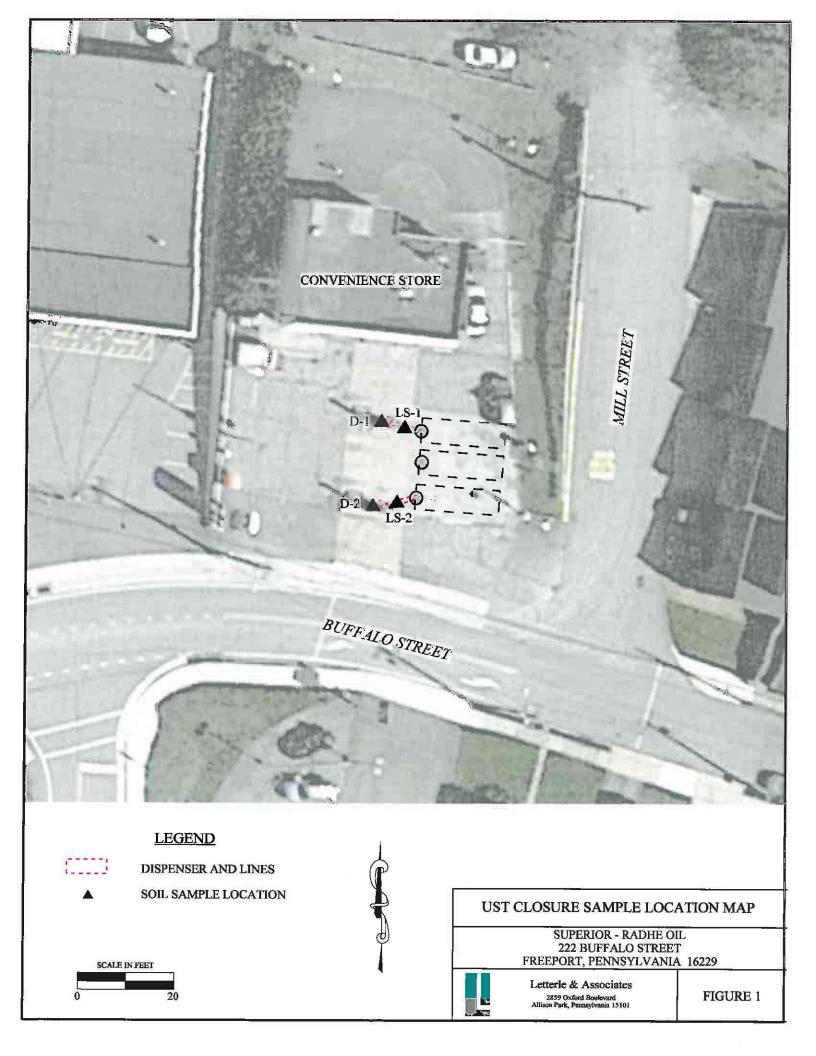
feet below ground surface micrograms per kilogram µg/kg ft-bgs NOC methyl tertiary-butyl ether trimethylbenzene MTBE TMB

Not of Concern parts per million

mdd

MSC's presented are for soil to groundwater numeric values for residential used aquifers - exceedences are highlighted gray. MSC's - Medium Specific Concentrations are designated as PADEP Statewide Health Standards

FIGURES



ATTACHMENT A PHOTOGRAPHS



Photo 1: Radhe Oil—View of site looking northwest.



Photo 2: Radhe Oil—View of site looking north.



Photo 3: Radhe Oil—View of site looking northeast.



Photo 4: Radhe Oil—View from site looking south.



Photo 5: Radhe Oil—View from site looking southwest.



Photo 6: Radhe Oil—Former canopy and dispenser island area.



Photo 7: Radhe Oil-Former canopy and dispenser island area.



Photo 8: Radhe Oil—Highly corroded product piping connector.



Photo 9: Radhe Oil—Highly corroded product piping connector.



Photo 10: Radhe Oil—Highly corroded product piping connector.

ATTACHMENT B DISPOSAL RECEIPTS

Detail Contract Activity Report January 01, 2017 to January 11, 2017 Specific Contract(s): '5076170115'

* - Confirmed Qty Applied to Billing

History and Waiting All Ticket Types

	; 						
Ticket Date Tic	Facility & Ticket Number	Customer	Truck Material	Į.		Billing	On 2
01/06/2017 I Y1	1189594	000906 - MCCITCHEON ENTERPRISE	٤	WILL COLL			أا
	1189501				ָבָּילָבְּילָבְּילָבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְּילִבְ	71'01	
01/06/2017 1 41	1189684		MCCUICHE SW-CONI SOIL W/FUE	M TIOS INC	//FUE	16.60	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1400001		MCCUICHE SW-COINT SOIL W/FUE	NI SOIL W	, ru	20,08	
01/00/2017 1 11	1109007		≝	ONT SOIL W	//FUE	20,58	
11 1 /T02/cn/tn	0006011		TESONE SW-C	SW-CONT SOIL W/FUE	/FUE	18.39	
01/09/2017 I Y1	1189892		MCCUTCHE SW-CONT SOIL W/FUE	W JIOS TNO	//FUE	18.07	
01/09/2017 I Y1	1189999	000906 - MCCUTCHEON ENTERPRISE MO	MCCUTCHE SW-CONT SOIL W/FUE	DNT SOIL W	/FUE	12.77	F
Tickets Reported:	7	Items Reported: 7					
	, 1						
Material Summary	<u>~</u>	Weight Tobound Outhouse	Ţ	¥	1	Count	
ISHB/W ILOS LINCU-MS - HA		3		_	Dunoano	Diponing Cuttoding	15 12 12
16 INO - 114	"L W/ FUEL	0 19771	MT 00.0	160.00	0.00 YD	0.00	0.0
	! 				į		
Tickets Reported:	7	Rems Reported: 7					
	ŧ					İ	
							• •

CARBON LIMESTONE LANDFILL - 5076

SDNB306 01/11/2017 10:40 AM

CARBON LIMESTONE LANDFILL 330-536-8013	SITE Y1 TICKET # 1189594 CELL WEIGHMASTER
8100'S. Stateline Rd -Lowellville, OH 44436	IN - Sheryl H. OUT - Robert S.
STOMER 000906	DATE/TRUE IN 1/6/17 10:01 am DATE/TURE OUT 10:30 am
MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD	VEHICLE MCCUTCHEON CONTAINER
APOLLO, PA 15613	REFERENCE 8
Contract:5076170115 Generator:Radhe Oil 03-29674	BILL OF LADING 365847
Borre III Onder Helbarr Ariona	16.12 INBOUND 2,240 INVOICE
CTY PAIT DESCRIPTION	RETE EFTENSION IAX TOTAL
20.00 YD Tracking QTY	
Hours of operation:	
M-F 8:00 AM to 3:00 PM Sat 8:00 AM to 12:00 PM	
THANK YOU FOR YOUR BUSINESS!	TENDERED
The undersigned individual signing this document on behalf of Customer solmowiedges that he on the reverse side and that he or also has the authority to sign this document on bahalf of the o	M1630mar
WI MIR INTEREST COME MINE AND ADDRESS OF THE STREET, T	CHECKS CHECKS

RS-F042UPR (07/12)



McCutcheon Enterprises, Inc. 250 Park Road Apollo, PA 15813 (724)568-3623 Fax (724)568-2571 www.completewastemgmt.com

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Science Service Additional Matter Property Reprine (8.5)—252 (2.5)	No	the Zamidović i Waland wildustralii	1. Generator's US EPA ID No.	Manife Documen	alijo.	2. Pa				9003/6973
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7. Transporter 2 Company Name 8. US EPA ID Number 10. US EPA ID Number 12. Editor 1. Transporter 5 Priorier () 13. Designated Facility Name and Site Address 10. US EPA ID Number 14. Essestione Locality 15. Transporter 5 Priorier () 16. State 5 rectifys ID 17. US DOT Description (Including Priorier Shipping Name, riscard Classe, and ID Number) 18. Vargan scandiscan fuel contaminated scilificabris 19. Vargan scandiscan fuel contaminated scilificabris 10. Vargan scandiscan fuel contaminated scilificabris 10. Vargan scandiscan fuel contaminated scilificabris 10. Additional Descriptions for Materials Larsed Above 10. Additional Information of Special Priorier () 10. Contaminated Prio			9890 II NIN VIE OF A 1785 II I	# 200 VI II		CS	ote Trens			
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8100 S. Stateline Rd -Lowellville, OH 44436 WEIGHMASTER · Robert S. DATE/TIME IN 1/6/17 ISTOMER 000906 DATEMINE SUI 7 1:49 pm 2:22 pm MCCUTCHEON ENTERPRISES INC. VEHICLE CONTAINER MCCUTCHEON 250 PARK ROAD APOLLO, PA 15613 REFERENCE Contract: 5076170115 BILL OF LADING 35848 Generator: Radhe Oil 03-29674 INBOUND SCALE IN GROSS WEIGHT 68,720 NET TONS 20.08 INVOICE SCALE OUT TARE WEIGHT 28,560 NET WEIGHT 40,160 RATE ENTENBION TAF ICTAL GTY. ÚNIT DESCRIPTION 20.00 ΥD Tracking QTY 20.08 SW-CONT SOIL W/FUEL Origin: ARMSTRONG-PA 100% tn 1.00 ENVIRONMENTAL FEE 4 A SHEW THE PAR Hours of operation: M-F 8:00 AM to 3:00 PM Sat 8:00 AM to 12:00 PM TENDERED THANK YOU FOR YOUR BUSINESS!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the outcomer.

SIGNATURE

SITE Y1 TICKET #

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CHANGE

CHECK#

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S-F042UPR (07/12)

CARBON LIMESTONE LANDFILL 330-536-8013



McCutcheon Enterprises, Inc. 250 Park Road Apollo, PA 15613 (724)568-3623 Fax (724)568-2571 www.completewastemgmt.com 0-8

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	Fragrod PA 15228			B. State	Generator's ID		
	4 Generator's Phone () 5. Transporter 1 Company Name AdoCtatcheon Enterprises in c	8 AD 0 13826 47					
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	7. Transporter 2 Company Name	B. US EPA ID Number			porter's Phone Trans, ID	()	
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	11. US DOT Description (Including Proper Shipping Ne	ame, Hazard Clase and ID Number)	12. Cont	ainers Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
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	16 GENERATOR'S CERTIFICATION: I hereby declare and are classified, packaged, marked and labeled, s	that the contents of this consignment are fully and and are in all respects in proper gondition for transp	l accurately port by high	described way accom	above by the pro ling to applicable	per shipp internation	ing name, onal and
	national governmental regulations. I hereby certify that the above-named material is not haz	rardous waste as defined by 40 CFR Part 28 or a	ny applicable	state law			
	Printed Typed Name Printe	Signature		-		, M	Aonth Day Year
Ţ	7. Transporter 1 Acknowledgement of Receipt of Mater	rials	Ay d	***************************************		-	1/1.161017
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ţ	Facility Owner or Operator: Certification of receipt of Printed/Typed Name	non-hazardous materials covered by this manifest Signature	t except as r	oted in Ite	m 19	, , , , , , , , , , , , , , , , , , ,	onth Day Year
	100 mm Singer	Signature 1		4		· · · · · ·	onth Day Year

8100 S. Stateline Rd -Lowellville, OH 44435	WEIGHMASTER	IN -	Sheryl H. O	UT - Robe	rt S.
ISTOMER 000906 MCCUTCHEON ENTERPRISES INC.	DATE/TIME IN 1	/6/17 10			.0:39 am
250 PARK ROAD	VEHICLE	MCCUTCHEC	ONTA	INER	
APOLLO, PA 15613	REFERENCE	7	1		
Contract:5076170115 Generator:Radhe Oil 03-29674	BILL OF LADING	35849			,
SCALE IN GROSS WEIGHT 62,460 NET TONS 10	6.60			INBOUN)
	, 200			INVOICE	g . <i>)</i>
OTT: UMT DESCRIPTION		RATE	EXTENSION:	ľAx	TOTAL.
20.00 YD Tracking QTY 16.60 tn SW-CONT SOIL W/FUEL Origin:ARMSTRONG-PA 190% 1.00 ENVIRONMENTAL FEE 4					
Hours of operation: M-F 8:00 AM to 3:00 PM Sat 8:00 AM to 12:00 PM THANK YOU FOR YOUR BUSINESS!					TENDERED
The undersigned individual signing this document on behalf of Customer acknowledges that he on the reverse aids and that he or she has the authority to sign this document on behalf of the our	or she has read and un	nderstands the t	terms and conditions		CHANGE
S-F042UPR (07/12) SIGNATURE		0	779		CHECK

CARBON LIMESTONE LANDFILL 330-536-6013

STE Y1 TICKET #

CELL,

1189601



MoSutcheen Enterprises, Inc.
 250 Park Road
 Apollo, PA 15613
 (724)568-3623 Fax (724)568-2571
 www.completewastemgmt.com

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Generator's Name affanting 2006-256/4 222 Buttalo Struet			. v			5849
4 Generalzi's Phone (B. St	ate Generator's IC		¥
5. Transporter 1 Company Name AccCudehoon Enterprises inc	O 1 SEZ SES	gber .	C. SI	ate Trans. ID	·73	-
7 Transporter 2 Company Name	US EPA ID Nun	nber	-	ansporter's Phone ate Trans. ID	(:)
Designated Facility Name and Site Address Carport Line Mana Langed	US EPA ID Nim	ber				
8100 S. Stateline Road.	098704821	.5		nsporter's Phone ate Facility's ID		0013
		12. Con	H. Fe	cility's Phone (.)	1 .
: US DOT Description (Including Proper Shipping Name, Hexard Class, and II. HM	D Number)	No.	Type	13. Total Quantity	14. Unit Wit/Vol	Waste No
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	consignment are fully proper condition for in	ensport by high	nvay acc	ording to applicab	s interne	Month Day
6 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this of and are classified, packaged, marked and labeled, and are in all respects in pational governmental regulations. Thereby certify that the above-named malestal is not hazardous waste as defined.	consignment are fully proper condition for in by 40 CFR Part 261	ensport by high	nvay acc	ording to applicab	s interne	dional and
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CARBON LIMESTONE LANDFILL 330-536-8013 8100 S. Stateline Rd -Lowellville, OH 44436	WEIGHMASTER ROBERT S.
JSTOMER 000906 MCCUTCHEON ENTERPRISES INC. 250 PARK ROAD APOLLO, PA 15613 Contract:5076170115 Generator:Radhe 0il 03-29674	DATE/TIME IN 1/6/17 2:10 pm DATE/TIPE OUT 7 2:36 pm VEHICLE MCCUTCHEON CONTAINER REFERENCE 7 BEL OF LADING 35861
SCALE IN GROSS WEIGHT 69,740 NET TONS	20.58 INBOUND INVOICE
20.00 YD Tracking QTY 20.58 tn SW-CONT SOIL W/FUEL Origin: ARMSTRONG-PA 109% ENVIRONMENTAL FEE 4	TAX TOTAL
Hours of operation: M-F 8:00 AM to 3:00 PM Sat 8:00 AM to 12:00 PM THANK YOU FOR YOUR BUSINESS!	TENDERED
The undersigned individual eigning this document on behalf of Customer acknowledges that he on the reverse side and that he or she has the authority to sign this document on behalf of the o	

RS-F042UPR (07/12)



* McCutcheon Enterprises, Inc. 250 Park Hoad Apollo, PA 15613 (724)568-3623 Fax (724)568-2571 www.completewastemgmt.com

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3.	Generator's Name a Radius Street 222 Sulfato Street					3.9	Sci
	Frapou PA 16229	Ĭ.		P Sta	ite Generator's ID		,
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5.	Transporter t Company Name McCuscheon Encarprises inc	6 AD 0 1 36 2 6 6 4 7	er Lal	C Ste	ite Trens. ID	- 1	PERSON I
7.	Transporter 2 Company Name	8. US EPA ID Numbe)		nsporter's Phone	()	
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9,	Designated Facility, Name and Site Address Carbon Lanestonie Lanesia	10 US EPA ID Number	r	F. Tran	sporter's Phone	()	Ni .
	h100 S. Statelina Road. Lovelville, OH 44436	OHD9#7040212		Name and Address of the Owner, when the Owner, which the Owner	ite Facility's ID33		6013
_	Sent of American State of Sent		1 10 000	-	ality's Phone (.	.)	
11	US DOT Description (Including Proper Shippin	g Name, Hazard Class. and ID Number)	12. Cont No.	Type	13. Total Quantity	14 Unit Wi/Vol	Waste No.
a	Virgin petroleum fuel conta	minated soli/debris	177	7,		1 3	- · V ·
	9-		001	·D. 7	J-1-74/	٧	5 0 0
b		* *** ** * * * * * * * * * * * * * * *	10101		7714/		
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(20)	Additional Descriptions for Materials Listed Abo	we [K. Han	dling Codes for W	estes List	ed Above
2.	5076 17 0115	· c.	a:	a.	1 1	C.	1 1
bri			*		 	Gro.	
b.	Special Handling Instructions and Additional Int	i d.		p.		d.	
10	Cheram Listicinal against and security and	O I RELIGIT					
		QUARTHY ESTIMATED			4		
		a to the Public Section 2005					
				10			
16.	and are classified, packaged, marked and laber	dare that the contents of this consignment are fully an ed, and are in all respects in proper condition for trans	d accurately sport by nigh	deacribe way acco	d above by the pri	oper shipp interneti	oing name, onal and
I ha	national governmental regulations	hazardous waste as defined by 40 CFR Part 281 or s	ome anialisabl	o obobo lo			
1110	Printed/Typed Name	Signature /	any application	e Sieus is	199	A	Nonth Day Year
X	"Packea da	X / /	1				1106/9
17	Transporter 1 Acknowledgement of Receipt of N Printed/Typed Name	faterials Signature	7	,			
	OLL STANKA	Congression (A Comment	5	₹		fonth Day Year
18.	Transporter 2 Acknowledgement of Receipt of M	laterials	1		v		
1.	Printed/Typed Name	Signature	2		N	N	lonth Day Year
19	Discrepancy Indication Space						<u> </u>
	and open any management of					,	•
20.	Facility Owner or Operator: Certification of recei	pt of non-hazardous materials covered by this manifel	st except as	oted in I	tem 19. •		
	Printed/Typed Name	Signature :	1				onth Day Year
	RECORD JEIGH		Management, and pass for			17	TICHETT

CARBON LIMESTONE LANDFILL 330 8100 S. Stateline Rd -Lowell		44436	SITE Y1 TIC	R	9892 Sharul H	CELL	oort 5
STOMER. 000906. MCCUTCHEON ENTERPRISES IN	DATE/TIME IN		DATE/TIME OUT 1/9/17				
250 PARK ROAD	·.		VEHICLE	MCCUTCHEC)N	CONTAINER	
APOLLO, PA 15613 Contract:5076170115 Generator:Radhe Oil 03-29674			REFERENCE BILL OF LADI	7 NG 35858			
SCALE IN GROSS WEIGHT SCALE OUT TARE WEIGHT	65,280 29,140	NET TONS NET WEIGHT	18.07 36,140			INBOU	
OTF UNIT	DESCR	IPTICN		PATE	EXTENSI(XAT NO	10TAL
20.00 YD Tracking QTY 18.07 tn SW-CONT SOIL W/FUEL ENVIRONMENTAL FEE 4	Origin:	ARMSTRONG-PA 100					
Hours of operation: M-F 8:00 AM to 3:00 PM Sat 8:00 AM to 12:00 PM THANK YOU FOR YOUR BUSINESS!						f	TENDERED
The undereigned individual signing this document the reverse side and that he are the last the second state				understands the (lerms and cond	- Strons	CHANGE

S-F042UPR (07/12)



McCutcheon Enterprises, Inc. 250 Park Road Apollo, PA 15613 (724)568-3823 Fax (724)568-2571 www.completewastemgmt.com

×	Non Haterdous Where Manifest		BUSEPAID NO		Doc	anifest Itseren	2. Pa	ige 1	از ۰۰	WC0024900	
3.	222 Bullista Street					35858					
4.				1			B Si	ate Generator	sID	, 	
5.	Transporter 1 Company Name Executables on Exemptisate inc		DGAS	US EPA I	Number 8 4	1 1 1	CS	ete Trans. ID		4.26.42	
7.	Transporter 2 Company Name		8.	US EPA II	Number		D. Transporter's Phone ().				
9.	Descripted Facility Name and Site Arkhess		10.	US EPA II	Alembar		Ē St	ate Trans. ID		<u> III i</u>	
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ppoj				$\bot\bot\bot$	II.		.H. Fa	cility's Phone ()		
11	US DOT Description (Including Proper Shippir HM	ng Name, Hazard	Class, and ID N	lumber)		12 Cont No.	ainers Type	13. Total Quantity	Unik Wit/V	ol Waste	
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6	Additional Descriptions for Materials Listed Abo	we .					K. Har	idling Codes to	r Wastes L	lsted Above	
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3. C	Special Handling Instructions and Additional Info GENERATOR'S CERTIFICATION: I hereby declared are classified, packaged, marked and label national governmental regulations. Telephopartity that the above-named material is not printed Typed Name	plare that the contreed, and are in all r	as defined by	or condition	fully and for transp	ort by hegh	väy acoc	ording to applic	proper shi able intern	ational and Month Day	
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	Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name	INTERIOR STATE	Signa	ture	<u>**</u>					Month Day	
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8100 8. SCREETING NO -TOWETTAILTE, OR 24420	}	Robe	ert S.		•
O00906 MCCUTCHEON ENTERPRISES INC.	VEHICLE	_	1:40 pm	DATE/TIME OUT 1/9/17	2:12 pm
250 PARK ROAD		MCCUTCHE	ON		
APOLLO, PA 15613	REFERENCE	7			
Contract:5076170115 Generator:Radhe Oil 03-29674	BILL OF LADING	358 57			
	12.77 5,540			IOVNI	
OPY. UNIT DESCRIPTION		RATE	FXTENS	IAY TAY	FOTAL .
20.00 YD Tracking QTY 12.77 tn SW-CONT SOIL W/FUEL Origin:ARMSTRONG-PA 100% ENVIRONMENTAL FEE 4					
Hours of operation: M-F 8:00 AM to 3:00 PM Set 8:00 AM to 12:00 PM THANK YOU FOR YOUR BUSINESSI				-	TENDERED
The undereigned individual aligning this document on behalf of Customer acknowledges that he on the reverse side and that he or she has the authority to sign this document on behalf of the or	or she has read and un	derstands the	terms and con	ditions	CHECKO
RS-F042UPR (07/12) SIGNATURE	4		729	<u> </u>	

CARBON LIMESTONE LANDFILL 930-536-8013

CETT

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McCutcheon Enterprises, Inc. 250 Park Road Apollo, PA 15613 (724)588-3623 Fax (724)568-2571 www.completewastemgmt.com

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ATTACHMENT C

LABORATORY ANALYTICAL RESULTS AND CHAIN OF CUSTODY FORMS



January 05, 2017

Mr. Mark Valenty Letterle & Associates 2859 Oxford Boulevard Suite 110 Allison Park, PA 15101

RE: Project: Fueland #221(Radhe Oil)

Pace Project No.: 30206462

Dear Mr. Valenty:

Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Pachel D Christman

Rachel Christner rachel.christner@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ken Dudash, Letterle & Associates LLC

Mr. Andrew Frost, Letterle & Associates

Ms. Laurie Hall, Letterle & Associates

Mr. George Hunzeker, Letterle & Associates

Mr. Eric Itle, Letterle & Associates

Ms. Stephanie Profeta, Letterle & Associates

Ms. Amy Watenpool, Letterle & Associates

Mr. Pete Weir, Letterle & Associates







CERTIFICATIONS

Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

L-A-B DOD-ELAP Accreditation #: L2417

Alabama Certification #: 41590 Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

Florida/TNI Certification #: E87683 Georgia Certification #: C040

Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391

Kansas/TNI Certification #: E-10358 Kentucky Certification #: 90133

Louisiana DHH/TNI Certification #: LA140008 Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: PA00091 Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082

Nebraska Certification #: NE-05-29-14 Nevada Certification #: PA014572015-1 New Hampshire/TNI Certification #: 2976 New Jersey/TNI Certification #: PA 051 New Mexico Certification #: PA01457 New York/TNI Certification #: 10888

North Carolina Certification #: 42706 North Dakota Certification #: R-190 Oregon/TNI Certification #: PA200002 Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457 Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188-14-8
Utah/TNI Certification #: PA014572015-5
USDA Soil Permit #: P330-14-00213
Vermont Dept. of Health: iD# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C

Wisconsin Certification

Wyoming Certification #: 8TMS-L



SAMPLE SUMMARY

Project:

Fueland #221(Radhe Oil)

Pace Project No.: 30

30206462

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30206462001	D-1/2'	Solid	12/21/16 12:30	12/22/16 16:15
30206462002	D-2/2'	Solid	12/21/16 12:00	12/22/16 16:15
30206462003	LS-1/3*	Solid	12/21/16 12:45	12/22/16 16:15
30206462004	LS-2/3'	Solid	12/21/16 12:11	12/22/16 16:15



SAMPLE ANALYTE COUNT

Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30206462001	D-1/2'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA
30206462002	D-2/2'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA
30206462003	LS-1/3'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA
30206462004	LS-2/3'	EPA 8260B	JEW	13	PASI-PA
		ASTM D2974-87	MLL	1	PASI-PA



Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

Sample: D-1/2'

Date: 01/05/2017 11:59 AM

Lab ID: 30206462001

Collected: 12/21/16 12:30 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

results reported on a dry weig	,		Report						
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical	Method: EP/	A 8260B Prepa	aration Me	thod: El	PA 5035A			
Benzene	ND	ug/kg	2650	722	500	12/28/16 12:00	12/28/16 21:50	71-43-2	1c
Ethylbenzene	40200	ug/kg	2650	536	500	12/28/16 12:00	12/28/16 21:50	100-41-4	1c
Isopropylbenzene (Cumene)	6820	ug/kg	2650	918	500	12/28/16 12:00	12/28/16 21:50	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	2650	1290	500	12/28/16 12:00	12/28/16 21:50	1634-04-4	1c
Naphthalene	30200	ug/kg	2650	515	500	12/28/16 12:00	12/28/16 21:50	91-20-3	1c
Toluene	13600	ug/kg	2650	828	500	12/28/16 12:00	12/28/16 21:50	108-88-3	1c
1,2,4-Trimethylbenzene	180000	ug/kg	26500	7590	5000	12/28/16 12:00	12/29/16 13:34	95-63-6	1c
1,3,5-Trimethylbenzene	82400	ug/kg	2650	892	500	12/28/16 12:00	12/28/16 21:50	108-67-8	1c
Xylene (Total)	352000	ug/kg	7960	1510	500	12/28/16 12:00	12/28/16 21:50	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	68-135		500	12/28/16 12:00	12/28/16 21:50	2037-26-5	
4-Bromofluorobenzene (S)	101	%	65-146		500	12/28/16 12:00	12/28/16 21:50	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	69-137		500	12/28/16 12:00	12/28/16 21:50	17060-07-0	
Dibromofluoromethane (S)	97	%	70-130		500	12/28/16 12:00	12/28/16 21:50	1868-53-7	
Percent Moisture	Analytical	Method: AST	TM D2974-87						
Percent Moisture	20.4	%	0.10	0.10	1		01/04/17 12:14		



Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

Sample: D-2/2'

Date: 01/05/2017 11:59 AM

Lab ID: 30206462002

Collected: 12/21/16 12:00 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dijutions.

			Report						
Parameters	Results	Units	_ Limit 	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8260B MSV	Analytical	Method: EP/	A 8260B Prep	aration Met	hod: E	PA 5035A			
Benzene	ND	ug/kg	258	70.3	50	12/28/16 12:00	12/28/16 22:15	71-43-2	1c
Ethylbenzene	19700	ug/kg	258	52.2	50	12/28/16 12:00	12/28/16 22:15	100-41-4	1c
isopropyibenzene (Cumene)	4190	ug/kg	258	89.4	50	12/28/16 12:00	12/28/16 22:15	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	258	126	50	12/28/16 12:00	12/28/16 22:15	1634-04-4	1c
Naphthalene	8770	ug/kg	258	50.1	50	12/28/16 12:00	12/28/16 22:15	91-20-3	1c
Toluene	19200	ug/kg	258	80.6	50	12/28/16 12:00	12/28/16 22:15	108-88-3	1c
1,2,4-Trimethylbenzene	72300	ug/kg	2580	739	500	12/28/16 12:00	12/29/16 14:00	95-63-6	1c
1,3,5-Trimethylbenzene	23600	ug/kg	2580	869	500	12/28/16 12:00	12/29/16 14:00	108-67-8	1c
Xylene (Total)	124000	ug/kg	7750	1470	500	12/28/16 12:00	12/29/16 14:00	1330-20-7	
Surrogates									
Toluene-d8 (S)	103	%	68-135		50	12/28/16 12:00	12/28/16 22:15	2037-26-5	
4-Bromofluorobenzene (S)	102	%	65-146		50	12/28/16 12:00	12/28/16 22:15	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	69-137		50	12/28/16 12:00	12/28/16 22:15	17060-07-0	
Dibromofluoromethane (S)	90	%	70-130		50	12/28/16 12:00	12/28/16 22:15	1868-53-7	
Percent Moisture	Analytical	Method: AST	ГМ D2974-87						
Percent Moisture	19.9	%	0.10	0.10	1		01/04/17 12:14		



Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

Sample: LS-1/3'

Date: 01/05/2017 11:59 AM

Lab ID: 30206462003

Collected: 12/21/16 12:45 Received: 12/22/16 16:15

Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

resuns reported on a dry weig			Report			,			
Parameters	Results	Units	Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qua
8260B MSV	Analytical	Method: EP/	A 8260B Prepa	aration Met	hod: E	PA 5035A			
Benzene	2230	ug/kg	261	71.1	50	12/28/16 12:00	12/28/16 22:41	71-43-2	1c
Ethylbenzene	8220	ug/kg	261	52.8	50	12/28/16 12:00	12/28/16 22:41	100-41-4	1c
Isopropylbenzene (Cumene)	1930	ug/kg	261	90.4	50	12/28/16 12:00	12/28/16 22:41	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	261	127	50	12/28/16 12:00	12/28/16 22:41	1634-04-4	1c
Naphthalene	3990	ug/kg	261	50.7	50	12/28/16 12:00	12/28/16 22:41	91-20-3	1c
Toluene	716	ug/kg	261	81.6	50	12/28/16 12:00	12/28/16 22:41	108-88-3	1c
1,2,4-Trimethylbenzene	785	ug/kg	261	74.8	50	12/28/16 12:00	12/28/16 22:41	95-63-6	1c
1,3,5-Trimethylbenzene	ND	ug/kg	261	87.8	50	12/28/16 12:00	12/28/16 22:41	108-67-8	1c
Xylene (Total)	4040	ug/kg	784	148	50	12/28/16 12:00	12/28/16 22:41	1330-20-7	
Surrogates									
Toluene-d8 (S)	102	%	68-135		50	12/28/16 12:00	12/28/16 22:41	2037-26-5	
4-Bromofluorobenzene (S)	100	%	65-146		50	12/28/16 12:00	12/28/16 22:41	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	6 9 -137		50	12/28/16 12:00	12/28/16 22:41	17060-07-0	
Dibromofluoromethane (S)	88	%	70-130		50	12/28/16 12:00	12/28/16 22:41	1868-53-7	
Percent Moisture	Analytical	Method: AST	ГМ D2974-87						
Percent Moisture	20.4	%	0.10	0.10	1		01/04/17 12:14		



Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

Sample: LS-2/3'

Date: 01/05/2017 11:59 AM

Lab ID: 30206462004

Collected: 12/21/16 12:11 Received: 12/22/16 16:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

_			Report						
Parameters	Results -	Units	_ <u>Limit</u> _	MDL .	DF	Prepared	Analyzed	CAS No.	Qua
8260B MSV	Analytical	Method: EP	A 8260B Prepa	aration Met	nod: E	PA 5035A			
Benzene	ND	ug/kg	5.0	1.3	1	12/28/16 12:00	12/28/16 21:24	71-43-2	1c
Ethylbenzene	ND	ug/kg	5.0	1.0	1	12/28/16 12:00	12/28/16 21:24	100-41-4	1c
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.7	1	12/28/16 12:00	12/28/16 21:24	98-82-8	1c
Methyl-tert-butyl ether	ND	ug/kg	5.0	2.4	1	12/28/16 12:00	12/28/16 21:24	1634-04-4	1c
Naphthalene	ND	ug/kg	5.0	0.96	1	12/28/16 12:00	12/28/16 21:24	91-20-3	1c
Toluene	ND	ug/kg	5.0	1.5	1	12/28/16 12:00	12/28/16 21:24	108-88-3	1c
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1.4	1	12/28/16 12:00	12/28/16 21:24	95-63-6	1c
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1.7	1	12/28/16 12:00	12/28/16 21:24	108-67-8	1c
Xylene (Totai)	ND	ug/kg	14.9	2.8	1	12/28/16 12:00	12/28/16 21:24	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	68-135		1	12/28/16 12:00	12/28/16 21:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%	65-146		1	12/28/16 12:00	12/28/16 21:24	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	69-137		1	12/28/16 12:00	12/28/16 21:24	17060-07-0	
Dibromofluoromethane (S)	99	%	70-130		1	12/28/16 12:00	12/28/16 21:24	1868-53-7	
Percent Moisture	Analytical	Method: AS	ΓM D2974-87						
Percent Moisture	20.4	%	0.10	0.10	1		01/04/17 12:14		



QUALITY CONTROL DATA

Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

QC Batch:

244877

Analysis Method:

EPA 8260B

QC Batch Method:

EPA 5035A

Analysis Description:

8260B MSV UST-SOIL

Associated Lab Samples:

30206462001, 30206462002, 30206462003

METHOD BLANK: 1205353

Matrix: Solid

Associated Lab Samples:

Date: 01/05/2017 11:59 AM

30206462001, 30206462002, 30206462003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	250	71.5	12/28/16 12:43	
1,3,5-Trimethylbenzene	ug/kg	ND	250	84.0	12/28/16 12:43	
Benzene	ug/kg	ND	250	68.0	12/28/16 12:43	
Ethylbenzene	ug/kg	ND	250	50.5	12/28/16 12:43	
Isopropylbenzene (Cumene)	ug/kg	ND	250	86.5	12/28/16 12:43	
Methyl-tert-butyl ether	ug/kg	ND	250	122	12/28/16 12:43	
Naphthalene	ug/kg	ND	250	48.5	12/28/16 12:43	
Toluene	ug/kg	ND	250	78.0	12/28/16 12:43	
Xylene (Total)	ug/kg	ND	750	142	12/28/16 12:43	
1,2-Dichloroethane-d4 (S)	%	93	69-137		12/28/16 12:43	
4-Bromofluorobenzene (S)	%	101	65-146		12/28/16 12:43	
Dibromofluoromethane (S)	%	93	70-130		12/28/16 12:43	
Toluene-d8 (S)	%	99	68-135		12/28/16 12:43	

LABORATORY CONTROL SAMPLE:	1205354					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg		20.3	102	79-125	
1,3,5-Trimethylbenzene	ug/kg	20	19.7	99	74-129	
Benzene	ug/kg	20	18.9	95	71-137	
Ethylbenzene	ug/kg	20	19.3	96	78-126	
Isopropylbenzene (Cumene)	ug/kg	20	19.5	97	78-133	
Methyl-tert-butyl ether	ug/kg	20	20.0	100	77-141	
Naphthalene	ug/kg	20	19.9	100	81-126	
Toluene	ug/kg	20	18.8	94	72-127	
Xylene (Total)	ug/kg	60	58.0	97	80-124	
1,2-Dichloroethane-d4 (S)	%			93	69-137	
4-Bromofluorobenzene (S)	%			102	65-146	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	68-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

QC Batch:

244878

QC Batch Method: EPA 5035A

Analysis Method:

Analysis Description:

EPA 8260B

8260B MSV UST-SOIL

Associated Lab Samples:

Date: 01/05/2017 11:59 AM

30206462004

METHOD BLANK: 1205355

Matrix: Solid

Associated Lab Samples: 30206462004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND -	5.0	1.4	12/28/16 13:08	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	1.7	12/28/16 13:08	
Benzene	ug/kg	ND	5.0	1.4	12/28/16 13:08	
Ethylbenzene	ug/kg	ND	5.0	1.0	12/28/16 13:08	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	1.7	12/28/16 13:08	
Methyl-tert-butyl ether	ug/kg	ND	5.0	2.4	12/28/16 13:08	
Naphthalene	ug/kg	ND	5.0	0.97	12/28/16 13:08	
Toluene	ug/kg	ND	5.0	1.6	12/28/16 13:08	
Xylene (Total)	ug/kg	ND	15.0	2.8	12/28/16 13:08	
1,2-Dichloroethane-d4 (S)	%	97	69-137		12/28/16 13:08	
4-Bromofluorobenzene (S)	%	99	65-146		12/28/16 13:08	
Dibromofluoromethane (S)	%	97	70-130		12/28/16 13:08	
Toluene-d8 (S)	%	99	68-135		12/28/16 13:08	

LABORATORY CONTROL SAMPLE:	1205356					
		Spike	LCS	LCS	% Rec	
Parameter	Units	Conc.	Result	% Rec	Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/kg		20.3	102	79-125	
1,3,5-Trimethylbenzene	ug/kg	20	19.7	99	74-129	
Benzene	ug/kg	20	18.9	95	71-137	
Ethylbenzene	ug/kg	20	19.3	96	78-126	
Isopropylbenzene (Cumene)	ug/kg	20	19.5	97	78-133	
Methyl-tert-butyl ether	ug/kg	20	20.0	100	77-141	
Naphthalene	ug/kg	20	19.9	100	81-126	
Toluene	ug/kg	20	18.8	94	72-127	
Xylene (Total)	ug/kg	60	58.0	97	80-124	
1,2-Dichloroethane-d4 (S)	%			93	69-137	
4-Bromofluorobenzene (S)	%			102	65-146	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			100	68-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





QUALITY CONTROL DATA

Project:

Fueland #221(Radhe Oil)

Pace Project No.:

30206462

QC Batch:

245488

Analysis Method:

ASTM D2974-87

QC Batch Method:

ASTM D2974-87

Analysis Description:

Dry Weight/Percent Moisture

3

Associated Lab Samples:

30206462001, 30206462002, 30206462003, 30206462004

SAMPLE DUPLICATE: 1207819

30206462001

Result

Dup Result Max

RPD

RPD

Qualifiers

Parameter Percent Moisture

Date: 01/05/2017 11:59 AM

Units %

20.4

21.0

20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





QUALIFIERS

Project:

Fueland #221(Radhe Oil)

Pace Project No.: 30206462

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

BATCH QUALIFIERS

Batch: 244877

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 244878

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

Date: 01/05/2017 11:59 AM

1c A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:

Fueland #221(Radhe Oil)

Pace Project No.:

Date: 01/05/2017 11:59 AM

30206462

Lab iD	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytica Batch
30206462001	D-1/2'	EPA 5035A	24487 7	EPA 8260B	244939
30206462002	D-2/2'	EPA 5035A	244877	EPA 8260B	244939
30206462003	LS-1/3'	EPA 5035A	244877	EPA 8260B	244939
0206462004	LS-2/3'	EPA 5035A	244878	EPA 8260B	244940
30206462001	D-1/2'	ASTM D2974-87	245488		
30206462002	D-2/2'	ASTM D2974-87	245488		
30206462003	LS-1/3'	ASTM D2974-87	245488		
30206462004	LS-2/3'	ASTM D2974-87	245488		

Pace Analytical

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Page:

сна W0#:30206462

DRINKING WATER Requested Analysis Filtered (Y/N) 20941 OTHER. GROUND WATER REGULATORY AGENCY RCR4 NPDES STATE Site Location X UST Company Name: Pace Quote Reference: Pace Project Manager: Pace Profile #: Attention: Address: 3 Project Name: Focher Section B Required Project (nformstlon: Project Number: 597 Purchase Order No.: Report To: Copy To: 15101 SSKALASS Requested Due Date/TAT: 510 model g D Fax Section A Required Clent Information: Company:

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	Section D Required Clent Information	Matrix Codes Matrix / CODE				S	COLLECTED				Q.	Preservatives	88	ÌN,¼		TV				- 1987			
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F-ALL-Q-020rev.07, 15-May-2007

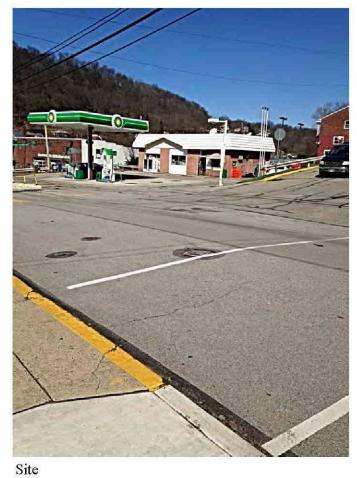
Import.nt Note: By signing this form you are accepting Pace's NET 90 day poyment farms and spreeling to lake charges of 1.5%, per month for enry involces not peak within 30 days.

The same of the sa	idition Upon Rece	ipt P	rittsb	urg	n		
Pace Analytical	Client Name:		L	6446	ne		Project # <u>3020546</u>
Tracking #:	UPS USPS Clien	_/_	•		•		.
-	er/Box Present: yes	,	no	/ //	1	yes 🔲	no
Thermometer Used	U	Type					4.2
Cooler Temperature		[.]	. с	Corn	ection Factor	70,2	_ · c Final Temp: 4.3 · c
Temp should be above free	ezing to 6°C						Date and Initials of person examining /
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Sample Labels match C			<u>S</u> L	100	5. N 12/22/	(, 0	
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Samples Arrived within I			\vdash	ļ	6.		
Short Hold Time Analy				├	7.		
Rush Turn Around Tim	e Requested:			_	8.		
Sufficient Volume:					9.		
Correct Containers Used	% :			ļ	10.		
-Pace Containers Us	ed:						
Containers Intact:			_	L	11.		·
Filtered volume received					12.		
All containers needing preser	vation have been checked.				13.		
All containers needing pres compliance with EPA recon							
exceptions: VOA, colifo	orm, TOC, O&G, Phenolics				Initial when completed	RM	Date/time of preservation
					Lot # of added preservative		
Headspace in VOA Vials	s (>6mm):				14.		
Trip Blank Present:					15.		
Trip Blank Custody Seal	s Present				Ť		
	Screened > 0.5 mrem/hr	_		,,,	Initial when	MI	Date:
	-1-4 ²				completed:		Date:
Client Notification/ Res				Det-	Times:		Contacted By:
Person Contacted				Date/	I ime:	*	Contacted by.
Comments/ Resolution	i		-			,	
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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

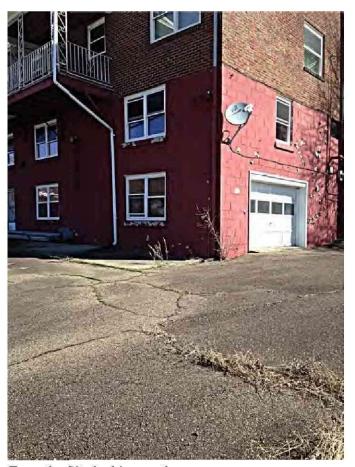
*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.







From the Site looking north



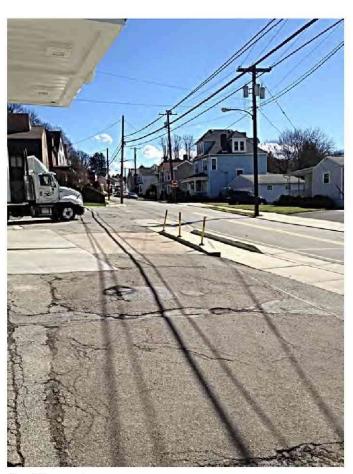
From the Site looking north



From the Site looking east



From the Site looking southwest towards Buffalo Street



Looking east



Looking northeast toward Site from 2nd Street



Looking northeast towards Site from 2nd Street



Auto dealership located west of the Site



Auto dealership located west of the Site



From Buffalo Street looking west toward Buffalo Creek